

H 6664

to

H 6690

Station No. *H 6664*

Date:

: July 18

191 6

Hour: 8:23 a. M. to 8:43 a. M.

Position: Lat.

Long.

Locality: Smugglers Cove, Santa Cruz Id.

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

$$0 = 1$$

Sea:

Sky: *P*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 7486	16.0°	—	0	16.0 (60.8)		
5 M	NZ 165868	#1-15.8°	16.2°	-0.02	15.72 (60.35)		
	NZ 165869	#2-15.8°	16.2°	-0.02	15.72 (60.35)		
10 M	NZ 165871	#1- —	—	—	—		
	Rtr 37572	#2-15.65°	16.1°	+0.04	15.69 (60.2)		

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

C. E. DeLong.
Recorder.

NETS, ETC., USED

Description	Depth	TIME <i>Am</i>		Speed
		Down	Up	
Surface Nets #12 ^{sq} #000	Sur.	8:22	8:31	
Serial Closing Apparatus #1	5m.	8:23	8:39	
Serial Closing Apparatus #2	10m	8:23	8:43	

11-5314

NOTES

1st messenger down 8²²
 2nd messenger down 8³⁸

Psy W Wt ~~16.1~~ D 18.1 82%
 16.1

Chart 5126 C. & G. S.
 (anchorage) The point south of
 Smuggler's Cove (Santa Cruz Island) bears
 S 52 W, distant 0.3 miles

191

Long.

Sample:

Force, 0 - 1

Sky: 

C. E. DeLong
Recorder.

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
Surface Nets #12 and #000	0	8:46	9:01	
Serial Closing Apparatus #1	5m.	8:48	9:03	
Serial Closing Apparatus #1	10m.	8:48	9:06	

11-5314

NOTES

1st Messenger down at 8:48
 2nd Messenger down at 9:03

Psy. W H₂ D 18.2 82%
 16.3

1916

Hour: 9:12 a. M. to 9.30 . M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force, 0-1

Sea: 

Sky: *B*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 74486	16.1°	—	0	16.1 (61.0)		
5 M.	NZ 165868	#1-15.8°	16.3°	-0.05	15.75 (60.35)		
	NZ 165869	#2-15.8°	16.3°	-0.05	15.75 (60.35)		
10 M.	NZ 165871	#1 —	—	—	—		
	Rtr 37572	#2 15.6	16.5	+0.04	15.64 (60.15)		

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

C. E. De Long.
Recorder.

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
Sur. Nets #12 - #000	0			
Serial Closing App. #1	5 M.	9:12	9:30	
Serial Closing App. #2	10 M.	9:12	9:28	

11-5314

NOTES

1st Messenger down at 9:12 am
 2nd Messenger down at 9:27 am

927

Psy W ~~16.2~~ 16.3 D 18.2 82%

12⁰⁰ am Psy: W ~~16.6~~ 16.7 D 19.4 77%
 Surf 16.2

Station No. *A-6664* Date: *July 18* 191*6*

Hour: 444 P. M. to 504 P. M.

Long.

Locality:

Bottom:

Sample:

Force,

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	16.2	—	0	16.2 (61.2)		
5-M	NZ 165868 #1	16.0	17.0	-0.07	15.93 (60.7)		
	NZ 165869 #2	—	—	—	—		
10-M	NZ 165871 #1	11.6	19.0	-0.14	11.46 (52.6)		
	Rtr 37572 #2	11.45	18.0	-0.06	11.39 (52.5)		

CURRENTS

[illegible]

Transparency:

11—5314

W D Baker
Recd

NETS, ETC., USED

Description	Depth	TIME <i>PM</i>		Speed
		Down	Up	
<i>Surf. net #12-000</i>	<i>-</i>	<i>444</i>	<i>456</i>	
<i>Serial clo. app</i>	<i>5-m</i>	<i>444</i>		
		<i>459</i>	<i>5.00</i>	
<i>" " "</i>	<i>10-m</i>	<i>444</i>		
		<i>459</i>	<i>5.04</i>	

11-5314

NOTES

1st messenger down - 444 PM
29 " " - 459 PM
Psy. W 15.6 D 17.1 87%
15.7

Station No.

Date:

July 18. 1916

191 6

Hour:

Long.

Locality:

Bottom:

Sample:

Force,

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	16.3	—	0	16.3 (61.3)		
5-7M	NZ 165868 #1	15.8	18.8	-0.05	15.75 (60.35)		
	NZ 165869 #2	15.9	18.5	-0.05	15.85 (60.5)		
10-7M	NZ 165871 #1	12.1	18.0	-0.18	11.92 (53.45)		
	RT 37572 #2	11.90	17.5	-0.05	11.85 (53.3)		

CURRENTS

[illegible]

Transparency:

11—5314

W W Blaker
Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
10-7 1/2	-	5.12	5.24	
10-7 1/2	5-10	5.12		
10-7 1/2	10-7 1/2	5.27	5.28	
10-7 1/2	10-7 1/2	5.12		
10-7 1/2	10-7 1/2	5.27	5.32	

11-5314

NOTES

10-7 1/2 5.12
 20 " " 5.22 P.M.
 20y. W.H. 4 D. 16.9 86%
 15.5

Station No. 4111

Date: July 11

1916

Hour: 7:11 P. M. to 7:30 P. M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ryan 7456	16.0	—	0	16.0 (60.8)		
5 fms	12 12555	15.8	15.7	-0.15	15.75 (60.35)		
10 16555	2	15.7	15.7	-0.14	15.85 (60.5)		
15 12555	1	15.7	15.5	-0.1	15.6 (60.1)		
20	RH 37572	2	15.5	16.0	+0.04	15.54 (60.0)	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
5-74 2-11	—	7.11	7.23	
5-74 2-11	5-74	7.11		
" " "		7.26	7.27	
" " "	10-74	7.11		
		7.26	7.30	

11-5314

NOTES

1st 7.11
 2d " " 7.26
 Pay. 11.1 516.1 92%
 15.2

Station No. *41-1660* Date: *July 18* 191*6*

Hour: *7:00* . M. to *7:00* . M.

Position: Lat. _____ Long. _____

Locality: *Santa Cruz I. A.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *South* Force, *1*

Sea: *9* Sky: *bcy - 95 - 9*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>Thermometer</i>	<i>15.5</i>	<i>-</i>	<i>0</i>	<i>15.5 (59.9)</i>		
<i>5-71</i>	<i>121521</i>	<i>15.4</i>	<i>15.2</i>	<i>-0.05</i>	<i>15.35 (59.6)</i>		
<i>121521</i>	<i>2</i>	<i>15.5</i>	<i>15.5</i>	<i>-0.05</i>	<i>15.45 (59.8)</i>		
<i>121521</i>	<i>3</i>	<i>15.5</i>	<i>15.5</i>	<i>-0.05</i>	<i>15.45 (59.8)</i>		
<i>Rtr 37572</i>	<i>2</i>	<i>15.4</i>	<i>15.5</i>	<i>+0.04</i>	<i>15.44 (59.8)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

11-5314

W.D. Baker
Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #15-570	—	7.43	7.55	
Local obs. net	5-70	7.43		
" " "		7.58	7.59	
" " "	10-70	7.43		
		7.58	8.11	

11-5314

NOTES

1st - 11.00 - 11.10 - 7.43
 2d - " " " - 7.58

Pay 11.00 2.10 90%
 15.3

Station No. 4664 Date: July 1916

Hour: 8:12 P. M. to 8:32 P. M.

Position: Lat. Long.

Locality: Santa Cruz Id.

Depth: 9 1/2 fms. Bottom: Sample:

Wind: Direction, South Force, 1

Sea: 9 Sky: 6-5-7

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	15.5	-	0	15.5 (59.9)		
1	112 165618 4	15.4	15.4	-0.05	15.35 (59.6)		
2	112 165618 2	15.4	15.4	-0.05	15.35 (59.6)		
3	112 165618 1	15.4	15.4	-0.1	15.3 (59.5)		
4	Rtr 37572 2	15.2	15.4	+0.04	15.24 (59.4)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

U. S. Gravit -
Reed.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf 70 fms	—	8:02	8:10	
Surf 100 fms	5-7m	8:12	8:20	
" " "	10-20	8:27	8:35	

11-5314

NOTES

100 fms down — 8:10
 29 " " " — 8:27
 Psy. 1475m D16.2 95 %
 15.2

Station No. *AF 6664*

Date: _____

101

Hour: 8:44 P. M. to 9:05 P. M.

Position: Lat.

Long.

Locality: Santa Cruz

Depth: 9 1/2 fms Bottom:

Sample:

Wind: Direction, SE Force, 1Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	Raufer 71184			0	15.5 (59.9)		
	NZ 165868			.4 -0.05	15.35 (59.6)		
	NZ 165869			-0.05			
	NZ 165871			-0.1	15.1 (59.2)		
	Rtr 37572				15.44 (59.8)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

6. *inter* —

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1. 100 fms. net	100	1.15	1.15	
2. 200 fms. net	200	1.15	1.15	
3. 300 fms. net	300	1.15	1.15	
4. 400 fms. net	400	1.15	1.15	
5. 500 fms. net	500	1.15	1.15	
6. 600 fms. net	600	1.15	1.15	
7. 700 fms. net	700	1.15	1.15	
8. 800 fms. net	800	1.15	1.15	
9. 900 fms. net	900	1.15	1.15	
10. 1000 fms. net	1000	1.15	1.15	

11-5314

NOTES

1. 100 fms. net 1.15

1. 100 fms. net 1.15 92%

Station No. *71110* Date: *7 1 10* 191*1*

Hour: *9:13 P.* M. to *9:34 P.* M.

Position: Lat. _____ Long. _____

Locality: *Santa Cruz Id.*

Depth: *9/2 fms.* Bottom: _____ Sample: _____

Wind: Direction, *SW* Force, *1*

Sea: *9* Sky: *b3 - AS - 9*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
				0	15.9 (60.4)		
<i>5m</i>	<i>NZ 165868</i>	<i>15.7</i>	<i>15.3</i>	<i>-0.05</i>	<i>15.65</i>		<i>(60.2)</i>
	<i>NZ 165869</i>	<i>15.7</i>	<i>15.3</i>				
					<i>15.1</i>		<i>(57.7)</i>
	<i>Rtr 32572</i>	<i>15.35</i>	<i>15.5</i>	<i>+0.04</i>	<i>15.39</i>		<i>(57.7)</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____ 11-5314

Station No. *A 6664* Date: *June 18* 191*6*

Hour: *9:41* A.M. to *10:00* P.M.

Position: Lat. _____ Long. _____

Locality: *Santa Cruz Id.*

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, *SW* Force, *1*

Sea: *G.* Sky: *bz -*

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	<i>Range 70°/6</i>			<i>0</i>	<i>15.7</i> <i>(60.3)</i>		
	<i>17 112</i>	<i>15.6</i>		<i>-0.05</i>	<i>15.55</i> <i>(60.0)</i>		
	<i>NZ 165869</i>	<i>16.6</i>	<i>16.7</i>	<i>-0.1</i>	<i>16.5</i> <i>(61.7)</i>		
	<i>NZ 11257</i>			<i>-0.1</i>	<i>15.5</i> <i>(59.9)</i>		
	<i>17 112</i>	<i>15.6</i>		<i>-0.05</i>	<i>15.55</i> <i>(60.0)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS:

Station No. *H 66657*Date: *July 19*191 *6*Hour: *9:38 a.* M. to *10:17 a.* M.

Position: Lat.

Long.

Locality: *off the coast of*
San Juan Island,

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *S.*Sky: *8*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfac 7486</i>	<i>16.0°</i>	<i>—</i>	<i>0</i>	<i>16.0</i> <i>(60.8)</i>		
<i>30 fms</i>	<i>Rtr 37572</i>	<i>13.7°</i>	<i>16.0°</i>	<i>-0.13</i>	<i>13.57</i> <i>(56.4)</i>		
	<i>#2 113.5°</i>	<i>13.5°</i>	<i>15.8°</i>	<i>0</i>	<i>13.57</i> <i>(56.3)</i>		
<i>40 fms</i>	<i>NZ. 98256</i>	<i>11.2°</i>	<i>—</i>	<i>-0.6</i>	<i>10.6</i> <i>(51.1)</i>		
	<i>NZ. 62855</i>	<i>11.2°</i>	<i>—</i>	<i>-0.4</i>	<i>10.8</i> <i>(51.4)</i>		
	<i>S.V. 805</i>	<i>11.2°</i>	<i>16.2°</i>	<i>-0.07</i>	<i>11.13</i> <i>(52.0)</i>		
	<i>Rtr. 150</i>	<i>11.4°</i>	<i>15.0°</i>	<i>-0.07</i>	<i>11.33</i> <i>(52.4)</i>		
<i>75 fms</i>	<i>NZ. 98760</i>	<i>15.0°</i>	<i>—</i>	<i>-0.6</i>	<i>14.4</i> <i>(57.9)</i>		
	<i>NZ. 71738</i>	<i>15.0°</i>	<i>—</i>	<i>—</i>	<i>14.4</i> <i>(57.9)</i>		
<i>100 fms</i>	<i>SV 497</i>	<i>9.35°</i>	<i>14.2°</i>	<i>-0.11</i>	<i>9.24</i> <i>(48.6)</i>		
	<i>NZ. 164892</i>	<i>9.45°</i>	<i>12.8°</i>	<i>-0.16</i>	<i>9.29</i> <i>(48.7)</i>		
<i>200</i>	<i>SV. 496</i>	<i>8.5°</i>	<i>11.8°</i>	<i>-0.07</i>	<i>8.43</i> <i>(47.2)</i>		
	<i>NZ. 164895</i>	<i>8.7°</i>	<i>12.5°</i>	<i>-0.13</i>	<i>8.57</i> <i>(47.4)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *lying to*

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Serial Closing	307.5	7:44	01:50	
Serial Closing	0	8:07	7:50	

11-5314

NOTES

Messenger down at 9:44 am
" " " 9:50 am

Pay 14.8 16.9 80%

Chart 5200 C & GS
drifted from

1/2 tonight Anacapa Island } at 9:15
bears N 65° E 1/2 distant 8.7 miles } a.m.

Lat. 33°-57'-12"
Long. 119°-36'-24"

to

Lat. 33°-56'-42" } at 11:15 a.m.
Long. 119°-35'-30"

San Pedro Point, Santa Cruz
Is., bears N 34° E, distant
6.2 miles (true)

Station No. *4665*Date: *July 19*

1916

Hour: *10:25* a. M. to *10:45* a. M.

Position: Lat.

Long.

Locality: *Off of southern end of Santa Cruz Island*

Depth:

Bottom:

Sample:

Wind: Direction,

Force, *0-1*Sea: *2*Sky: *3*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>100</i>	<i>15.9</i>	<i>—</i>	<i>0</i>	<i>15.9</i> (60.6)		
<i>10 fms</i>	<i>100</i>	<i>15.3</i>	<i>16.3</i>	<i>-0.06</i>	<i>15.24</i> (59.4)		
<i>15 fms</i>	<i>100</i>	<i>15.0</i>	<i>16.0</i>	<i>-0.06</i>	<i>14.94</i> (58.9)		
<i>20 fms</i>	<i>100</i>	<i>13.4</i>	<i>16.5</i>	<i>-0.14</i>	<i>13.26</i> (55.9)		
	<i>RTR 37572</i>	<i>13.2</i>	<i>16.0</i>	<i>0</i>	<i>13.2</i> (55.8)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *lying to*

11-5314

W. H. ...
Recorder

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
<i>Surface Net #13</i>				
<i>and #000</i>	<i>0</i>	<i>10:28</i>		
<i>serial towing</i>				
<i>apparatus</i>	<i>10:28</i>	<i>10:28</i>	<i>10:41</i>	
<i>serial towing</i>				
<i>apparatus #2</i>	<i>10:28</i>	<i>10:28</i>		

11-5314

NOTES

1st hauler got down at 10:28 am
2nd " " " " 10:41 am

Psy. W. 15.2 D 17.6 78%

c: July 19 1916

191 /

Hour: 10:50 a . M. to 11:15 a . M.

Position: Lat.

Long.

Locality: West & Southern End of
Santa Cruz Island.

Depth:

Bottom:

Sample:

Wind: Direction,

Force, 0-1

Sea:

Sky: *4*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	Pondre 7484	16.0	—	0	16.0 (60.8)		
157.7	N2 165869	#1-15.3°	16.0°	-0.06	15.24 (59.4)		
	N2 165869	#2-16.4°	16.0°				
307.5	N2 165869	#1-12.7°	16.5°	-0.05	12.55 (54.6)		
109.5	N2 165869	#2-12.4°	16.0°	-0.02	12.43 (54.4)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Lying to

11—5314

Ch. H. Long
Recorder

NETS, ETC., USED

Description	Depth	TIME <i>am</i>		Speed
		Down	Up	
Surface #12 and #1000	0.	10:51	11:06	
Serial Closing Apparatus	10M	10:53	11:08	
Serial Closing Apparatus	30M	10:53	11:11	

11-5314

NOTES

1st Net down at 10:51 and
2nd " " 11:08

Psy. W ~~14.9~~ 15.0 D 17.4 78%

Station No. *H6666* Date: *July 19*

Date: July 19

1916

Hour: 11:30 A. M. to — . M.

Position: Lat. $33^{\circ}-56'-42''$ Long. $119^{\circ}-36'-06''$

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	154424	16.3	.	0	16.3 (61.3)		

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS: *Alvin May*

11—5114

191/

Sea: Sky:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy 11 ~~14.2~~ 14.4 D 16.5 80%

Chart 5200 C. & G. S.
 Right tangent Santa Cruz Is.
 bears N 50.0° E, distant 6.1 miles

Station No. *H 6649*

Date: May 1957

191/

Hour: 12:30 P. M. to - . M.

Position: Lat. $33^{\circ} - 54' - 14''$ Long. $119^{\circ} - 42' - 54''$

Locality:

Depth: 10.00 Bottom: 10.00 Sample: 10.00

Wind: Direction, _____ Force, _____

Sea: **Sky:**

TEMPERATURES

Depth	Thermometer-- Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Reef 7486	17.2	-	0	17.2 (63.0)	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~13.9~~ D 16.1 ... 79%
 14.0

Chart 5200 C. & G. S.
 Sld tangent Santa Cruz del.
 bears R 64 W. distant 7.4 miles.
 True

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W. ~~14.6~~ 14.7 D 17.0 79%

Chart 5200 C. & G. S.
 Left tangent Santa Cruz Isl.
 bears N 42 W distance 6.8 miles
 True

Station No. 721673

Date: *July 1953*

191/

Hour: 1:30 P.M. to -

. M.

Position: Lat. $33^{\circ}-53'-18''$ Long. $119^{\circ}-50'-36''$

Locality:

Depth: Bottom: Sample:

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 7486	17.1	—	0	17.1 (62.8)	✓	

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS: Under way

NETS, ETC., USED

[illegible]

11—5314

NOTES

Psy. W ~~13.7~~ 14.0 D 16.1 79%

Chart 5000 C. & G. S.
East Point of Santa Rosa Isl.
Bears N 64 W distance 6.8 miles
Time

Station No. *H 6671*

Date: July 19

191 *l*

Hour: 7:00 P. M. to

. M.

Position: Lat. $33^{\circ} 54' - 06''$ Long. $119^{\circ} 54' - 54''$

Locality: '

Depth: Bottom: Sample:

Wind: Direction, _____ Force, _____

Sea: Sky:

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS: *Abundant way*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~13.7~~ 13.8 DIS. 9 79%

Chart 5000 C. & G. S.
 East Point of Santa Rosa Is.
 Bear N 49 W distant 3.6 miles
 True

1916

Position: Lat. $33^{\circ}-54'-12''$ Long. $119^{\circ}-59'-00''$

Sea: _____ Sky: _____

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy, W ~~44~~ 14.2 D 16.1 81%

Chart 5200 C. & G. S.
 End Point of Santa Rosa Is.
 near N 19 E distant 2.3 miles
 True

Station No. *A16673*

Date:

1912

Hour: 3:00 P. M. to —

. M.

Position: Lat. $33^{\circ}-54'-00''$ Long. $120^{\circ}-03'-12''$

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	15.1	—	0	15.1 (59.2)	x	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

Under way

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~74.1~~ 14.2 D16.2 81%

Chart 5000 C. & G. S.
 South Point of Santa Rosa Is.
 bears S. 81 W distant 3.3 miles
 True

1916

M.

Position: Lat. $33^{\circ}-53'-54''$ Long. $120^{\circ}-05'-24''$

Locality: Johnson's Lee, Santa Rosa Isl.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7454	15.2	—	0	15.2 (59.4)	X	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Anchored

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5114

NOTES

760 Psy. (3 30)

6 cc. 15.0
P₂O₅ 14.0 84%
Surf. 16.2 (sample)

July 20

$8 \frac{00}{\text{mm}}$ Surf 15.4

Chart 5200 C. & G. S.
South Point of Santa Rosa Is.
Bear S 74 W. distance 1.4 miles
low

Station No. 116475

Date: July 1, 1964

191 *l*

Hour: 8:20 A. M. to — . M.

Position: Lat. $33^{\circ}-53'-24''$ Long. $120^{\circ}-25'-07''$

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Radiant 9.	14.5			14.5 (58.1)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: Under way

11—5314

NETS, ETC., USED

[illegible]

11—5314

NOTES

74. 000.

Chart 5000 C. & G. S.
South Point, Santa Rosa Is.
Bears N 85 W distant 1.7 miles

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

74 Bay

Chart 5200 C.T.S.
 South Point, Santa Rosa Is.
 bears $N 58^{\circ} 12'$, distant 2.5 miles
 True

Station No. 716677

Date:

191

Hour: 8:40 A. M. to - . M.

Position: Lat. $33^{\circ}-51'-12''$ Long. $120^{\circ}-04'-12''$

Locality:

Depth: 1000 Bottom: Sample:

Wind: Direction, _____ Force, _____

Sea: **Sky:**

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: *Under way*

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

No psych.

Chart 5200 C. & G. S.
 South Point (Santa Rosa Is.)
 near N 46 W distant 3.4 miles
 true

191 /

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

No psycn.

Chart 5200 C. & G. S.
 South Point, Santa Rosa Is.,
 bears $N 37^{\circ} W$, distant 4.9 miles
 True

Station No. 146679 Date: 191

Hour: 925 a. M. to 955 a. M.

Position: Lat. Long.

Locality:

Depth: 120-Mrs Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Sur	Ranfac 7486	14.2	—	0	14.2 (57.6)		
107	NZ 71581	13.1	12.5	-.11	13.09 (55.5)		
	181.31577	13.1	12.5	-.13	13.07 (55.5)		
	171.11216	13.1	12.5	-.16	13.04 (55.5)		
				-.10	13.04 (55.5)		
				-.04	13.04 (55.5)		
				-.02	13.02 (55.5)		
0-271	NZ 71738	45.5	—	-.16	45.34 (109.6)		
	NZ 71738	45.5	—	-.08	50.7 (109.3)		
		17.8	17.1	-.1	17.7 (63.9)		
				-.13	17.7 (63.9)		
				-.1	17.7 (63.9)		
				-.1	17.7 (63.9)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: Lying to

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12#000	—	9.25		
		9.40		

11-5314

NOTES

24 " " - 940 AM

Psy W 13.6 13.7 DIS. 0 87%

drifted from Chart 5200 C. & G. S.

at { Lat. 33-48-30
9:00 { Long. 120-03-12
a.m. { South Point, Santa Rosa Isl.
{ bears N 33 W distant 6.0 miles
true

to

at { Lat. 33-47-48
3:30 { Long. 120-00-36
p.m. { South Point, Santa Rosa Isl.
{ bears N 44 W distant 7.8 miles
true

Station No. H-6679 Date: July 20 1911

Hour: 1005 A. M. to 1026 A. M.

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
000	Ranfa 7456	14.2	—	0	14.2 (57.6)		
12	1125240	11.8	2.0	-0.07	11.73 (53.1)		
115	1125240		2.0	-0.06	11.52 (52.3)		
152	1125240	10.	2.0	-0.15	10.75 (51.35)		
170	1125240	10.	2.0	0.0	10.73		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

Recd

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Surf net #12-0-00	—	10.05	10.17	
" " " " #2	50-74	10.05	10.20	

11-5314

NOTES

Psy. 14.1

D 15.2

89%

Station No.

Date:

191

Hour: 1056 a. M. to 1056 a. M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer — Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	14.4	—	0	14.4 (57.9)		
		12.8		-0.04	12.84 (55.1)		
	NZ 165869 #2	13.2	15.0	-0.07	13.13 (55.6)		
20-M	NZ 165871 #1	11.95	15.0	-0.14	11.81 (53.3)		
	ATR 37572 #2	11.75	14.5	0	11.75 (53.15)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

Station No. H-6679 Date: July 20 1916

Hour: 11⁰³ a. M. to 11²³ a. M.

Position: Lat. _____ Long. _____

Locality: _____

Depth: _____ Bottom: _____ Sample: _____

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfa 71166	14.4	—	0	14.4 (57.9)		
52	N2 16566	12.8	15.0	-0.07	12.73 (54.9)		
	N2 16566	13.3	15.0	-0.07	13.23 (55.8)		
	N2 16566	13.3	15.0	-0.07	13.23 (55.8)		
	RT 37572	8.70	14.2	-0.04	8.66 (47.6)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____ Transparency: _____

REMARKS: _____

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
			11.15	
		11.20		
		11.00		

11-5014

NOTES

11.48. 11.15
14.7

2.16. 81%

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
		11.51	11.45	
		11.51		
		11.46	11.41	
		11.48		
		11.51	11.51	

11-2314

NOTES

11.51 ... 11.45 ... 11.46 ... 11.41 ... 11.48 ... 11.51

Station No. 6271

Date: Aug 10 1911

191

Hour: 12:40 P. M. to 1:01 P. M.

Position: Lat.

Long.

Locality: Off Santa Rosa Id.

Depth:

Bottom:

Sample:

Wind: Direction, West Force, 2

Sea: C

Sky: B - Partly

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 7486	14.7	—	0	14.17 (58.5)		
10	N2 16560	12.1	15.2	-0.07	12.73 (54.9)		
20	N2 16569	12.9	14.0	-0.06	12.84 (55.1)		
30	N2 16569	12.9	14.2	-0.17	12.53 (54.2)		
40	N2 16569	12.25	13.8	-0.04	12.21 (46.8)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Small Nets # 12 & 000	-	12:40	12:55	Lay to
Scr. Clo. App. # 1	50 m	12:40	12:55	"
" " " " 2	100 m	12:55	1:01	"
			1:00	"

11-5314

NOTES

1st messenger down at 12:40 pm.
2d " " " " 12:55 "

F.S.V. 11 ~~14.7~~ 14.7 81%

4735

Station No. 75 117

Date:

191

Hour:

. M. to

. M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Wst

Force,

2

Sea:

S

Sky:

03 - 75 - 1

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	14.5	—	0	14.5 (58.1)		
25	14866	17.2	—	—	17.2 (63.1)		
17	14866	17.7	—	—	17.7 (63.9)		
17	15551	18.2	—	—	18.2 (64.8)		
17	37522	19.1	13.8	-0.03	19.07 (66.3)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
5.00.00		1.00	1.00	
5.00.00	100	1.00	1.00	
5.00.00	100	1.00	1.00	

11-5314

NOTES

12.1

14.5

84%

Station No. *7* Date: *July*

191

Hour: *1:44* P. M. to *2:03* P. M.

Position: Lat.

Long.

Locality: *off Santa Rosa Id.*

Depth: Bottom: Sample:

Wind: Direction, *West* Force, *1*Sea: *S* Sky: *'03 - 95 - 10*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranfac 7486</i>	<i>14.1</i>	<i>---</i>	<i>0</i>	<i>14.1</i> <i>(57.4)</i>		
<i>11</i>	<i>16566</i>	<i>10.8</i>	<i>8</i>	<i>-0.5</i>	<i>10.3 (50.1)</i>		
<i>17</i>	<i>16566</i>	<i>10.1</i>	<i>8</i>	<i>-0.1</i>	<i>9.9 (50.0)</i>		
<i>112</i>	<i>16567</i>	<i>9.0</i>	<i>14.2</i>	<i>-0.14</i>	<i>8.86 (47.5)</i>		
<i>113</i>	<i>16567</i>	<i>8.8</i>	<i>12.5</i>	<i>-0.2</i>	<i>8.6 (47.5)</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
See. Cl. App. # 1.	75m.	1:41	2:00	
" " " " " "	100m.	1:57	2:15	

11-5314

NOTES

Lan. to.

1st messenger down 1:41

2nd " " " " 1:52

Psy. Wt. 14.2 D 16.6 77%

44.95
47.80

Station No. AF-6679 Date: 11-1-68

191

Hour: 7:10 P. M. to 7:30 P. M.

Position: Lat. Long.

Locality: Off Santa Rosa Id.

Depth: Bottom: Sample:

Wind: Direction, *West* Force, *1*

Sea: 2 Sky: 3-95-10

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7456	14.0	—	0	14.0 (57.2)		
2	16586	11.0	14.5	-0.09	10.91 (51.6)		
	NZ 165869	11.0	14.0	-0.11	10.89 (51.6)		
11.5				-0.12	10.7 (51.7)		
	Rtr 37572	13.0	14.3	+0.02	12.98 (55.4)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11—5314

Arunkil -

Station No. 57 - 6616

Date:

191

Hour: 2:38 P. M. to 3:00 P. M.

Position: Lat.

Long.

Locality: *off Santa Rosa Id.*

Depth: Bottom: Sample:

Wind: Direction, *West* Force, *1*

Sea: S Sky: 03-PS-10

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	15.0	—	0	15.0 (59.0)		
50 m	NZ 165868	10.1	14.7	-0.06	10.04 (50.1)		
	NZ 165869	2.7.6	14.8	0.18			
75 m	NZ 165871	9.9	14.8	-0.13	9.77 (49.6)		
	Rtr 37572	9.0	—	—	8.91 (48.0)		3

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

Atokil -

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1. 100 fms. net	100	1.15	1.15	1.15
2. 200 fms. net	200	2.30	2.30	2.30
3. 300 fms. net	300	3.45	3.45	3.45

11-3311

NOTES

1. 100 fms. net

2. 200 fms. net

3. 300 fms. net

Psy. 14.5 D 15.5 90%

14.6

Station No. *21-169* Date: *7-10-19*

191 *L*

Hour: 3:09 P.M. to 3:29 P.M.

Position: Lat. Long.

Locality: *off Santa Rosa Id.*

Depth: Bottom: Sample:

Wind: Direction, *West* Force, *1*

Sea: S Sky: 02-AS-14

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf.	Ranfac 7486	15.10	—	0	15.10 (59.2)		
3071	NZ 165868	1. 12. 1	14. 7	-0.09	12.01 (53.6)		
	NZ 165869	2. 12. 1	14. 7	-0.06	12.02 (53.6)		
5071	NZ 165871	1. 10. 0	15. 0	-0.13	9.87 (49.8)		
	RTR 37572	2. 9. 8	14. 0	-0.02	9.78 (49.6)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

Station No. 24 180 Date: 7-10 1914

Hour: 6:00 P. M. to - . M.

Position: Lat. $33^{\circ}-54'-18''$ Long. $120^{\circ}-03'-42''$

Locality: Anchorage, Santa Rosa Isl.

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: _____ Sky: _____

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

[illegible]

11—5314

NOTES

Pay. 13,8 13,8 86%

Feb. 21, 1916

8th Day VTB 2 D14.2 90%
Sung 15.7 13.3

about 5000 C. 93 S.
(anchorage)
South Point, Santa Rosa Is.
bears S 75° W dist. 2.7 mi.
rule

191 ✓

Hour: 8:30 A. M. to . M.

Position: Lat. ⁰33-52-42 Long. ¹126-01-21

Locality:

Depth: Bottom: Sample:

Wind: Direction, _____ Force, _____

Sea: _____ Sky: _____

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS: Under way

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~7.4~~ 13.5 D 11/11 91%

Chart 5200 C. & G. S.
 South Point of Santa Rosa Is.
 bears N 70° W dist. 2.5 miles
 True

191/

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

12.1 12 13.7 13.8 15.4 83%

Chart 5200 C. 9 S.S.
 South Point, Santa Rosa del,
 bears N 30° W distant 15.3 miles
 Time

Date: July 21 1916

Hour: 9:30 A. M. to

. M.

Position: Lat.

Long.

Locality:

Depth: 215-712 fms Bottom:

Sample:

Wind: Direction, Force, 0-1 (12.0th stat)

Wind: Direction,

Force, 8-1

Sea:

Sky: *FD*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranfac 7486	15.60	—	0	15.6 (60.1)		
10 fms	NZ 115465	#1 10.1	14.50	-0.3	9.97 (49.9)	90#2	
	RI 37572	#2 9.9	14.00	-0.1	9.8 (49.8)		
60 fms	NZ 115466	R: 49.5	—	-0.7	48.8 (9.33)	8	
	SV 494	L: 49.5	—	-1.0	48.5 (9.51)		
75 fms	NZ 115466	R: 49.0	—	-0.7	48.3 (9.05)	2	
	SV 494	L: 49.0	—	-0.8	48.2 (9.00)		
100 fms	SV 494	R: 8.8	11.80	-1.05	7.75 (47.75)	1	
	RI 37572 (?)	L: 7.8	12.00	-0.7	7.1 (46.3)		
150 fms	SV 494	R: 8.5	12.20	-0.1	8.4 (47.1)	2	
	NZ 164892	L: 8.6	12.00	-0.3	8.3 (47.25)		
007M	SV 494	R: 7.9	11.20	-0.1	7.8 (46.1)	1	
	NZ 164895	L: 8.1	11.80	-0.1	8.0 (46.3)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

am.

Description	Depth	TIME		Speed
		Down	Up	
Surface Nets #12 and #000	0	9:48	10:05	
Serial Closing apparatus #2	50 m	9:49	10:08	

11-5314

NOTES

1st messenger down at 9:49 am
2nd messenger down at 10:04 am

Temp. 14.6 D 16.2 84%

Chart 5200 C. I. S. S.

drifted from

Position 0° 1' 18" N
 Lat. 33-46-18"
 Long. 120-03-48"
 South Point of Santa Rosa Is.
 bears $\sqrt{21-130}$ W, distant 7.7 miles
 Time at 9:20 A.M.

to

Position 0° 1' 18" N
 Lat. 33-46-18"
 Long. 120-02-24"
 South Point of Santa Rosa Is.
 bears $\sqrt{290}$ W dist 8.3 mi
 Time at 10:50 A.M.

Station No. *H 6686*Date: *July 21*191*6*Hour: *10:12* . M. to *10:50* . M.

Position: Lat. _____

Long. _____

Locality: _____

Depth: _____

Bottom: _____

Sample: _____

Wind: Direction, _____

Force, *0-1*Sea: *S*Sky: *B*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf.</i>	<i>Ranac 7486</i>	<i>15.6</i>	<i>—</i>	<i>0</i>	<i>15.6</i> <i>(60.1)</i>		
<i>10.0M</i>	<i>N2 163971</i>	<i>15.12.7</i>	<i>15.0</i>	<i>-0.11</i>	<i>15.016 (59.0)</i>		
	<i>RIF 37572</i>	<i>15.12.12</i>	<i>15.0</i>	<i>-0.01</i>	<i>15.111 (59.4)</i>		
<i>15.0M</i>	<i>N2 162885</i>	<i>15.54.5</i>	<i>—</i>	<i>-1.0</i>	<i>53.5 (11.5)</i>		
	<i>N2 98251</i>	<i>R: 54.5</i>	<i>—</i>	<i>-0.5</i>	<i>54.0 (12.2)</i>		
<i>20.0M</i>	<i>N2 71738</i>	<i>L: 54.5</i>	<i>—</i>	<i>-0.8</i>	<i>53.7 (12.0)</i>		<i>" 2</i>
	<i>N2 98260</i>	<i>R: 54.5</i>	<i>—</i>	<i>-0.5</i>	<i>54.0 (12.2)</i>		
<i>25.0M</i>	<i>H 110</i>	<i>L:</i>					<i>" 1</i>
	<i>SV 805</i>	<i>R:</i>	<i>"</i>	<i>"</i>	<i>"</i>		
<i>30.0M</i>	<i>N2 164892</i>	<i>L:</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>" 3</i>
	<i>SV 497</i>	<i>R:</i>	<i>"</i>	<i>"</i>	<i>"</i>		
<i>40.0M</i>	<i>N2 164895</i>	<i>L:</i>	<i>"</i>	<i>"</i>	<i>"</i>		<i>" 4</i>
	<i>SV 494</i>	<i>R:</i>	<i>"</i>	<i>"</i>	<i>"</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: _____

Transparency: _____

REMARKS: _____

11-5314

W. Sample
W. Sample

NETS, ETC., USED

21st

Description	Depth	TIME		Speed
		Down	Up	
<i>Surf net</i>				
<i>Hand 000</i>	<i>10 m</i>	<i>10:28</i>	<i>10:44</i>	
<i>Seine</i>	<i>10 m</i>	<i>10:50</i>	<i>10:55</i>	

11-5314

NOTES

1st *Surf net* *10 m* *10:28* *10:44*
2nd *Hand 000* *10 m* *10:50* *10:55*

Psy. W. 14.6 *D. 14.1* *85%*

Chart 5200 C. S. S.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. 11 ~~14.7~~ D 16.7 81%
14.8

Chart 5200 C. & G. S.
East Point of Santa Rosa del.
bears $N 36^{\circ} W$ distance 8.3 miles
true

Station No. 1166 J

Date: June 21

191

Hour: 11:30 A. M. to - . M.

Position: Lat. $33^{\circ}-47'-24''$ Long. $119^{\circ}-58'-18''$

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *Shade ray*

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

14 p.m.

Chart 5200 C & G S. S.
 East Point, Santa Rosa Isl.,
 bears N 1° E, dist 9.0 miles
 Time

Station No. 17100

Date:

191

Hour: 12.34 . M. to 1.07 . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, _____ Force, _____

Sea: Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
SW	Rau127446	16.8	—	0	16.8 (62.2)		
12	1216251	—	—	-0.13	11.87 (50.1)		
10-7	RTR 37572	10.0	14.7	-0.03	9.97 (49.9)		
10-7	NZ 94256	50.0	—	-0.6	49.4 (119.1)		
	NZ 62455	51.5	—	-1.0	50.5 (122.9)		
75-7	NZ 74260	49.5	—	-0.6	48.9 (119.9)		
	NZ 71738	49.5	—	-0.8	48.7 (119.5)		
	S. 150	8.8	12.0	-0.6	8.2 (46.8)		
	RTR 150	8.85	12.0	-0.06	8.79 (47.8)		
	SV 1101	—	—	-1.1	11.1 (52.0)		
	NZ 164842	8.7	12.0	-0.13	8.57 (47.4)		
250-7	SV 496	8.4	11.2	-0.06	8.34 (47.0)		
	NZ 164845	8.6	12.5	-0.14	8.46 (47.2)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

60-WB-Blocken

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Wash Net 4/12-1000	—	12.39		
Long. B. 110-120	50-70	12.51		
VU		12.54	12.58	

11-5314

NOTES

1st messenger down - 12.39
 2d " " - 12.54 P.M.

Pay. W. 75% D. 1.1 84%
 15.4

Chart 5200 C. & G. S.

drifted from

Lat. $33^{\circ}49'12''$ Long. $119^{\circ}50'00''$ W.
 East Point Santa Rosa Isl. bears
 $N 43^{\circ} W$ dist. 4.8 miles
 true
 at 12³⁰ P.M.

to

Lat. $33^{\circ}49'48''$ N.
 Long. $119^{\circ}47'36''$ W.
 East Point of Santa Rosa Isl.
 bears $N 53^{\circ} W$ dist. 10.8 mi.
 true
 at 1⁴⁰ P.M.

Station No. 1117

Date: Aug 21

191

Hour: 1:19 . M. to 1:42 . M.

Position: Lat. Long.

Locality:

Depth: Bottom: Sample:

Wind: Direction, Force,

Sea: Sky:

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	Ranp 11111	16.7	-	0	16.7 (62.1)		
112145	11			-0.11	16.84 (61.0)		
Rtr 37572	#2	15.95	17.0	+0.03	15.98 (60.8)		
112499	R	59.5		-0.4	59.6 (147.5)		
112625	L	17.1		-0.5	59.5 (147.5)		
76 112640	L	17.2		-0.5	56.4 (13.6)		
112650	L	17.3		-0.7	56.5 (13.5)		
112700	L	17.4		-0.8	56.6 (13.4)		
Rtr 150	L	11.40	15.2	-0.67	11.33 (52.4)		
112710	L	11.41		-0.12	11.38 (54.8)		
112720	L	11.2	15.5	-0.17	11.03 (51.9)		
112730	L	11.2		-0.08	16.47 (61.8)		
112740	L	10.70	15.5	-0.15	10.55 (51.0)		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

W. H. Blake

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Psy. W ~~15.6~~ D 18.1 78°/o
15.7

Chart 5000 C. 95. S.
Sept tangent Santa Cruz
del. bears N 33° 31/2' W
dist 10.0 miles 1 me

Station No. *H6689*

Date: July 21

191 C

Hour: 7:30 P. M. to

. M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS: Under way

Station No. 6690

Date: July 21

191 *6*

Hour: 3:00 P. M. to —

. M.

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS: Under way

NETS, ETC., USED

[illegible]

11—5314

NOTES

Psy. W+56 D18.4 76%
15.7

Chart 5200 C. & G.S.
San Pedro Point, Santa Cruz
Isl., bears N. 34° E
true
distant 11.7 miles